

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	237	attenuat\$6 near2 rang\$6 and transmi\$6 with curv\$6	US-PGPUB; USPAT	OR	ON	2007/04/23 13:10
S2	104	attenuat\$6 near2 rang\$6 and transmi\$6 with curv\$6 and optic\$6. clm.	US-PGPUB; USPAT	OR	ON	2007/04/23 13:10
S3	0	("2004/0252963").URPN.	USPAT	OR	OFF	2007/04/23 13:47
S4	0	"20040252963" and analyt\$6	US-PGPUB; USPAT	OR	ON	2007/04/23 14:55
S5	0	("6904214").URPN.	USPAT	OR	OFF	2007/04/23 14:04
S6	0	("2004/0028361").URPN.	USPAT	OR	OFF	2007/04/23 14:04
S7	52	("3699472"   "4025156"   "4106850"   "4111525"   "4165223"   "4277270"   "4358181"   "4432606"   "4482205"   "4636031"   "4637686"   "4768859"   "4923278"   "4975102"   "4979971"   "5011251"   "5018827"   "5059475"   "5064266"   "5127928"   "5295205"   "5295209"   "5367589"   "5430817"   "5488475"   "5517589"   "5563967"   "5641956"   "5677920"   "5694503"   "5703978"   "5708740"   "5757540"   "5949934"   "6011886"   "6044189"   "6049414"   "6058231"   "6097862"   "6101301"   "6108470"   "6112553"   "6144789"   "6147341"   "6148128"   "6151156"   "6181851"   "6201918"   "6314222"   "6400884"   "6463684"   "6487340").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/23 14:05
S8	5	("6487340").URPN.	USPAT	OR	OFF	2007/04/23 14:05
S9	1	("6832026").URPN.	USPAT	OR	OFF	2007/04/23 14:07
S10	10	("4961640").URPN.	USPAT	OR	OFF	2007/04/23 14:16
S11	45	attenuat\$6 and (attenuat\$6 with filter).clm. and ("385"/\$.ccls. "398"/\$.ccls. "359"/\$.ccls. "356"/\$.ccls.) and (extrem\$6 very) with narrow\$6	USPAT	OR	OFF	2007/04/23 14:16
S12	67	attenuat\$6 and (attenuat\$6 with filter).clm. and ("385"/\$.ccls. "398"/\$.ccls. "359"/\$.ccls. "356"/\$.ccls.) and (extrem\$6 very) with narrow\$6	US-PGPUB; USPAT	OR	ON	2007/04/23 14:16
S13	1	"20040252963"	US-PGPUB; USPAT	OR	ON	2007/04/23 14:55

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20040252963"	US-PGPUB; USPAT	OR	ON	2007/03/20 15:57
S2	460	(WDM (wavelength with division with multiplex\$6)) and (channel (optic\$6 with signal)) and ((bandpass near1 filter) same optic\$6) and (passband (pass adj1 band))	US-PGPUB; USPAT	OR	ON	2005/07/27 19:51
S3	3173	"iir filter"	US-PGPUB; USPAT	OR	ON	2005/08/24 15:11
S4	809	"iir filter" and "2003"	US-PGPUB; USPAT	OR	ON	2005/08/24 13:49
S5	0	"iir filter" and (banpass with filter)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:54
S6	538	"iir filter" and (bandpass with filter)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:56
S7	361	"iir filter" and (bandpass with filter) and (communication)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:57
S8	355	"iir filter" and (bandpass with filter) and (communication) and (puls\$6 digital\$6)	US-PGPUB; USPAT	OR	ON	2005/08/24 14:55
S9	506	(WDM DwDM) and channel\$6 and ((data with signal) same optic\$6) and (bandpass with filter) and transmission	US-PGPUB; USPAT	OR	ON	2005/08/24 14:59
S10	12	(WDM DwDM) and channel\$6 and ((data with signal) same optic\$6) and (bandpass with filter) and transmission and "iir filter"	US-PGPUB; USPAT	OR	ON	2005/08/24 14:59
S11	98	"iir filter" same optic\$6	US-PGPUB; USPAT	OR	ON	2005/08/24 16:49
S12	54	"iir filter" with optic\$6	US-PGPUB; USPAT	OR	ON	2005/08/24 15:18
S13	2	"iir filter" with (chromat\$6 with dispersion)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:22
S14	0	"iir filter" with (interleaver)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:29
S15	4	"iir filter" same (interleaver)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:40
S16	3	"iir filter" with (polariz\$6)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:29
S17	0	S15 and S16	US-PGPUB; USPAT	OR	ON	2005/08/24 15:30
S18	130	"iir filter" and (interleaver)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:41

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S19	30	"iir filter" and (interleaver) and optic\$6	US-PGPUB; USPAT	OR	ON	2005/08/24 15:51
S20	114	interleaver with filter and "359"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:07
S21	0	359/122.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:00
S22	173	359/122.icls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:00
S23	366	interleaver with filter and (filter\$6 with channel\$6)	US-PGPUB; USPAT	OR	ON	2005/08/24 16:08
S24	279	interleaver with filter and (filter\$6 with channel\$6) and optic\$6	US-PGPUB; USPAT	OR	ON	2005/08/24 16:08
S25	36437	interleaver with filter and (filter\$6 with channel\$6) and optic\$6 and (waveguide fiber) vot "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:09
S26	151	interleaver with filter and (filter\$6 with channel\$6) and optic\$6 and (waveguide fiber) not "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:27
S27	231	398/43.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 16:19
S28	159	398/43.ccls.	USPAT	OR	ON	2005/08/24 16:27
S29	0	S26 and S28	US-PGPUB; USPAT	OR	ON	2005/08/24 16:27
S30	0	398/43.ccls. and interleaver with filter and (filter\$6 with channel\$6) and optic\$6	USPAT	OR	ON	2005/08/24 16:28
S31	100	interleaver with filter and (filter\$6 with channel\$6) and optic\$6	USPAT	OR	ON	2005/08/24 16:28
S32	2	398/43.ccls. and interleaver and (filter\$6 with channel\$6) and optic\$6	USPAT	OR	ON	2005/08/24 16:29
S33	12	398/43.ccls. and (interleaver (add\$6 with drop\$6)) and (filter\$6 with channel\$6) and optic\$6	USPAT	OR	ON	2005/08/24 16:33
S34	483	"398"/\$.ccls. and (interleaver (add\$6 with drop\$6)) and (filter\$6 with channel\$6) and optic\$6 not "385"/\$.ccls,	USPAT	OR	ON	2005/08/24 16:35
S35	80	"398"/79.ccls. and (interleaver (add\$6 with drop\$6)) and (filter\$6 with channel\$6) and optic\$6 not "385"/\$.ccls,	USPAT	OR	ON	2005/08/24 16:43
S36	37	"398"/79.ccls. and (interleaver (add\$6 with drop\$6)) and (filter\$6 with channel\$6) and optic\$6 not "385"/\$.ccls, and (waveguide fiber).clm.	USPAT	OR	ON	2005/08/24 16:44

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S37	782	"iir filter" and optic\$6	US-PGPUB; USPAT	OR	ON	2005/08/24 16:49
S38	16	"iir filter" and optic\$6 and DWDM	US-PGPUB; USPAT	OR	ON	2005/08/24 16:50
S39	48	"iir filter" and optic\$6 and WDM	US-PGPUB; USPAT	OR	ON	2005/08/24 16:55
S40	26	"iir filter" and optic\$6 and WDM	USPAT	OR	ON	2005/08/24 17:10
S41	2	constant with phase with profile with filter	USPAT	OR	ON	2005/08/24 17:10
S42	128	phase with profile with filter	USPAT	OR	ON	2005/08/24 17:10
S43	81	phase with profile with filter and optic\$6	USPAT	OR	ON	2005/08/24 17:13
S44	56	phase with profile with filter and optic\$6 and filter\$6.clm.	USPAT	OR	ON	2005/08/24 17:18
S45	2800	iir with filter\$6	USPAT	OR	ON	2005/08/24 17:18
S46	225	iir with filter\$6 and optic\$6 same filter\$6	USPAT	OR	ON	2005/08/24 19:07
S47	1	iir with filter\$6 and optic\$6 same filter\$6 and madsen.in.	USPAT	OR	ON	2005/08/24 17:51
S48	21	iir with filter\$6 with order and optic\$6 same filter\$6	USPAT	OR	ON	2005/08/24 17:36
S49	1	iir with filter\$6 and madsen.in.	USPAT	OR	ON	2005/08/24 17:51
S50	3900	(bandpass with filter) same optic\$6	USPAT	OR	ON	2005/08/24 19:08
S51	1523	(bandpass with filter) same optic\$6 not (waveguid\$6 fiber "385"/\$.ccls.)	USPAT	OR	ON	2005/08/24 19:09
S52	1328	(bandpass with filter) same optic\$6 not (\$6guide \$6guiding waveguid\$6 fiber "385"/\$.ccls.)	USPAT	OR	ON	2005/08/24 19:10
S53	786	(bandpass with filter) with optic\$6 not (\$6guide \$6guiding waveguid\$6 fiber "385"/\$.ccls.)	USPAT	OR	ON	2005/08/24 19:10
S54	786	((bandpass with filter) with optic\$6) not (\$6guide \$6guiding waveguid\$6 fiber "385"/\$.ccls.)	USPAT	OR	ON	2005/08/24 19:11
S55	1	"20040252963" and (attenuat\$6 with range)	US-PGPUB; USPAT	OR	ON	2006/09/16 18:03
S56	37	interleaver same filter same bragg	US-PGPUB; USPAT	OR	ON	2006/09/16 20:02
S57	27	interleaver same filter same bragg and (pass\$6 with band\$6 bandpass\$6 passband\$6)	US-PGPUB; USPAT	OR	ON	2006/09/16 19:21
S58	0	("2004/0252963").URPN.	USPAT	OR	OFF	2006/09/16 18:18
S59	4	("6738536").URPN.	USPAT	OR	OFF	2006/09/16 18:24

## EAST Search History

S60	0	("6728274").URPN.	USPAT	OR	OFF	2006/09/16 19:09
S61	0	("6678476").URPN.	USPAT	OR	OFF	2006/09/16 19:10
S62	0	("6614569").URPN.	USPAT	OR	OFF	2006/09/16 19:14
S63	18	interleaver same filter same bragg and attenuat\$6	US-PGPUB; USPAT	OR	ON	2006/09/16 19:15
S64	3	interleaver same filter same bragg and attenuat\$6 with rang\$6	US-PGPUB; USPAT	OR	ON	2006/09/16 19:15
S65	26	interleaver same filter same bragg and filter same (pass\$6 with band\$6 bandpass\$6 passband\$6)	US-PGPUB; USPAT	OR	ON	2006/09/16 19:39
S66	0	"50805751".pn.	US-PGPUB; USPAT	OR	ON	2006/09/16 19:39
S67	1	"5805751".pn.	US-PGPUB; USPAT	OR	ON	2006/09/16 19:42
S68	1	"5915051".pn.	US-PGPUB; USPAT	OR	ON	2006/09/16 19:42
S69	8	interleaver same filter same bragg and notch\$6	US-PGPUB; USPAT	OR	ON	2006/09/16 20:09
S70	8	interleaver and notch\$6 with filter and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/16 20:11
S72	44	interleaver and notch\$6 with filter and optic\$6	US-PGPUB; USPAT	OR	ON	2006/09/16 20:10
S73	9	interleaver and notch\$6 with filter and bragg	US-PGPUB; USPAT	OR	ON	2006/09/16 20:12
S74	1	"20040252963" and attenuat\$6 with rang\$6	US-PGPUB; USPAT	OR	ON	2007/03/20 16:22
S75	1	"20040252963" and (pass\$6 with band passband)	US-PGPUB; USPAT	OR	ON	2007/03/20 11:07
S76	1	"20040252963" and attenuat\$6 with rang\$6 and (pass\$6 with band passband)	US-PGPUB; USPAT	OR	ON	2007/03/20 11:12
S77	5	interleaver and notch\$6 with filter and "398"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/20 15:41
S78	95	interleaver and notch\$6 with filter	US-PGPUB; USPAT	OR	ON	2007/03/20 15:44
S79	9	interleaver and (notch\$6 with filter). clm.	US-PGPUB; USPAT	OR	ON	2007/03/20 15:46
S80	1039	attenuat\$6 and (notch\$6 with filter). clm.	US-PGPUB; USPAT	OR	ON	2007/03/20 15:46
S81	72	attenuat\$6 and (notch\$6 with filter). clm. and ("385"/\$.ccls. "398"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/03/20 15:47
S82	342	attenuat\$6 and (notch\$6 with filter). clm. and optic\$6	US-PGPUB; USPAT	OR	ON	2007/03/20 15:48

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S83	104	attenuat\$6 and (notch\$6 with filter). clm. and ("385"/\$.ccls. "398"/\$.ccls. "359"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/03/20 15:49
S84	185	attenuat\$6 and (notch\$6 with filter). clm. and (optic\$6).clm.	US-PGPUB; USPAT	OR	ON	2007/03/20 15:48
S85	91	S84 not S83	US-PGPUB; USPAT	OR	ON	2007/03/20 15:49
S86	137	attenuat\$6 and (notch\$6 with filter). clm. and ("385"/\$.ccls. "398"/\$.ccls. "359"/\$.ccls. "356"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/03/20 15:53
S87	62	S84 not S86	US-PGPUB; USPAT	OR	ON	2007/03/20 15:50
S88	21	attenuat\$6 and (notch\$6 with filter). clm. and ("385"/\$.ccls. "398"/\$.ccls. "359"/\$.ccls. "356"/\$.ccls.) and (extrem\$6 very) with narrow\$6	US-PGPUB; USPAT	OR	ON	2007/03/20 16:01
S89	0	"20040252963" and transmi\$6 with (intens\$6 amplit\$6 dB)	US-PGPUB; USPAT	OR	ON	2007/03/20 15:57
S90	1	"20040252963" and (intens\$6 amplit\$6 dB)	US-PGPUB; USPAT	OR	ON	2007/03/20 15:59
S91	0	rihde.in.	US-PGPUB; USPAT	OR	ON	2007/03/20 15:59
S92	634	rohde.in.	US-PGPUB; USPAT	OR	ON	2007/03/20 15:59
S93	2	rohde.in. and notch\$6 with filter	US-PGPUB; USPAT	OR	ON	2007/03/20 16:00
S94	54	rohde.in. and filter\$6 and optic\$6	US-PGPUB; USPAT	OR	ON	2007/03/20 16:00
S95	3	rohde.in. and (filter\$6 and optic\$6). clm.	US-PGPUB; USPAT	OR	ON	2007/03/20 16:00
S96	66	attenuat\$6 and (attenuat\$6 with filter).clm. and ("385"/\$.ccls. "398"/\$. ccls. "359"/\$.ccls. "356"/\$.ccls.) and (extrem\$6 very) with narrow\$6	US-PGPUB; USPAT	OR	ON	2007/03/20 16:03
S97	2	attenuat\$6 and (attenuat\$6 with filter).clm. and ("385"/\$.ccls. "398"/\$. ccls. "359"/\$.ccls. "356"/\$.ccls.) and ((extrem\$6 very) with narrow\$6).clm.	US-PGPUB; USPAT	OR	ON	2007/03/20 16:03
S98	0	("2005/0259997").URPN.	USPAT	OR	OFF	2007/03/20 16:08
S99	1	"6865315".pn.	US-PGPUB; USPAT	OR	ON	2007/03/20 16:22

## EAST Search History

S10 0	13	("20020181106"   "20020196549"   "20030087121"   "5557468"   "5734503"   "5841918"   "6081379"   "6154318"   "6222673"   "6285504"   "6301042"   "6301049"   "6728038"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/20 16:23
S10 1	1	("6728038").URPN.	USPAT	OR	OFF	2007/03/20 16:40
S10 2	0	(bandpass adj1 filter with transmission adj1 curve).clm.	USPAT	OR	ON	2007/03/20 16:41
S10 3	28	(filter with transmission adj1 curve). clm.	USPAT	OR	ON	2007/03/20 17:19
S10 4	3	("7009743" "7062128" "7116453").pn.	USPAT	OR	ON	2007/03/20 17:19